



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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DA No. 22-347

Friday April 1, 2022

Report No. SAT-01623

## Satellite Policy Branch Information

### Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective date of these actions is the release date of this Notice, except where an effective date is specified.

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<b>SAT-LOA-20210616-00080</b>	E S3095	Umbra Lab Inc	
Launch and Operating Authority			
Grant of Authority			Effective Date: 03/28/2022

**Nature of Service:** Earth Exploration Satellite Service

In a previous action, the Satellite Division granted this application in part, to authorize two satellites, Umbra-2001 and Umbra-02, See DA 21-1592 (Dec. 17, 2021); DA 22-172 (Feb. 17, 2022). On March 28, 2022, the Satellite Division granted the remaining request of Umbra Lab Inc. to construct, deploy, and operate a constellation of low-Earth orbit, non-geostationary orbit (NGSO) satellites in the Earth Exploration Satellite Service (EESS). The Division granted authority to Umbra Lab to deploy and operate four additional NGSO satellites, deployed to an altitude of approximately 550 km, and operating at an altitude of approximately 565 km, to conduct Synthetic Aperture Radar (SAR) imaging. Umbra Lab is authorized to operate an EEES downlink with a center frequency of 8150 MHz and a bandwidth of 250 MHz, and to conduct SAR operations using a center frequency of 9600 MHz and a bandwidth of 600 MHz and a center frequency of 9800 MHz and bandwidth of 1200 MHz. Umbra Lab is also authorized to conduct telemetry, tracking, and command as follows: 2254 MHz center frequency, bandwidth 0.1 MHz (space-to-Earth); and 2080 MHz center frequency, bandwidth 0.1 MHz (Earth-to-space). This application was granted under the streamlined small satellite procedures, 47 CFR § 25.122.

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<b>SAT-LOA-20211217-00198</b>	E S3129	Orbital Sidekick, Inc.	
Launch and Operating Authority			
Withdrawn			Effective Date: 03/25/2022

**Nature of Service:** Earth Exploration Satellite Service

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<b>SAT-LOA-20220329-00036</b>	E S3140	Albedo Space Corp.	
Launch and Operating Authority			
Withdrawn			Effective Date: 03/29/2022

**Nature of Service:** Earth Exploration Satellite Service

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<b>SAT-MOD-20210219-00024</b>	E S2445	SES Americom, Inc.	
Modification			
Grant of Authority			Effective Date: 03/30/2022

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**Nature of Service:** Direct to Home Fixed Satellite, Fixed Satellite Service

On March 30, 2022,, the Satellite Division granted, with conditions, SES Americom, Inc.'s request for modification of the license for AMC-1 to extend the license term of the space station to September 30, 2023. AMC-1 operates in the fixed-satellite service in the 3700-4200 MHz, 11.7-12.2 GHz (space-to-Earth), 5925-6425 MHz, and 14.0-14.5 GHz (Earth-to-space) frequency bands, including direct-to-home (DTH) from 11.7-12.2 GHz. SES conducts telemetry, tracking and command operations for the AMC-1 space station using the following center frequencies: 3700.5 MHz, 4199.5 MHz, 12.198 GHz (space-to-Earth), and 6423.5 MHz (Earth-to-space).

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**SAT-PPL-20211123-00168** E S3109 Embratel TVSAT Telecomunicacoes S.A.

Petition for Declaratory Ruling to be Added to the Permitted List

Surrender of Authorization

Effective Date: 03/31/2022

**Nature of Service:** Fixed Satellite Service

On March 31, 2022, Embratel TVSAT Telecomunicações S.A. filed a request to surrender the market access grant for the Star One C4 satellite (Call Sign S3109), which the Commission granted, with conditions, on March 3, 2022.

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**INFORMATIVE**

**SAT-MPL-20200517-00046** S2596 Eutelsat S.A.

Eutelsat S.A. has surrendered its grant of market access for the Eutelsat 12 West B satellite operating at the 12.5° W.L. orbital location in the 10.95-11.7 GHz (space-to-Earth), 12.5-12.75 GHz (space-to-Earth), and 13.75-14.5 GHz (Earth-to-space) frequency bands. See IBFS File No. SAT-MPL-20200517-00046. Accordingly, these frequency bands at 12.5° W.L. are now available for reassignment pursuant to the Commission's first-come, first-served licensing process effective 2:00 p.m. EDT on Tuesday, April 12, 2022. At that time, interested parties may file applications for new space stations, market access by non-U.S. licensed space stations, modifications to licensed space stations, or amendments to pending applications, taking this announcement into account. Applications for the spectrum filed prior to this date and time will be dismissed as premature without prejudice to re-filing.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.